

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NA	98-00009-00-BR	SANGAMON	107	58
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
M.P. 179 SPRINGFIELD SUBDIVISION				
SHEET 21 OF 27				

93346

#### NOTES

Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the Contract Unit Price per foot for Bridge Fence Railing, Parapet Mounted.

The 9 gauge fabric ties shall be according to Article 1006.27(d) of the Standard Specifications.

Installation of the chain link fabric shall be according to Section 664 of the Standard Specifications.

Pipe shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36.

The chain link fabric shall be placed as shown on Fence Post Detail.

Stretchers shall be used at all four sides of each panel.

Space reinforcement to miss anchor rods.

All posts, railing, splices, anchor devices, and bent plates shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385. All bolts, nuts, washers, and anchor rods shall be galvanized according to AASHTO M 232 except stainless steel bolts as noted.

Vent holes for galvanizing shall be placed in the posts and rails at locations that will not allow the accumulation of moisture in the members.

The chain link fabric shall conform to the requirements of Article 1006.27(a)(1)a, b or c of the Standard Specifications.

#### BILL OF MATERIAL

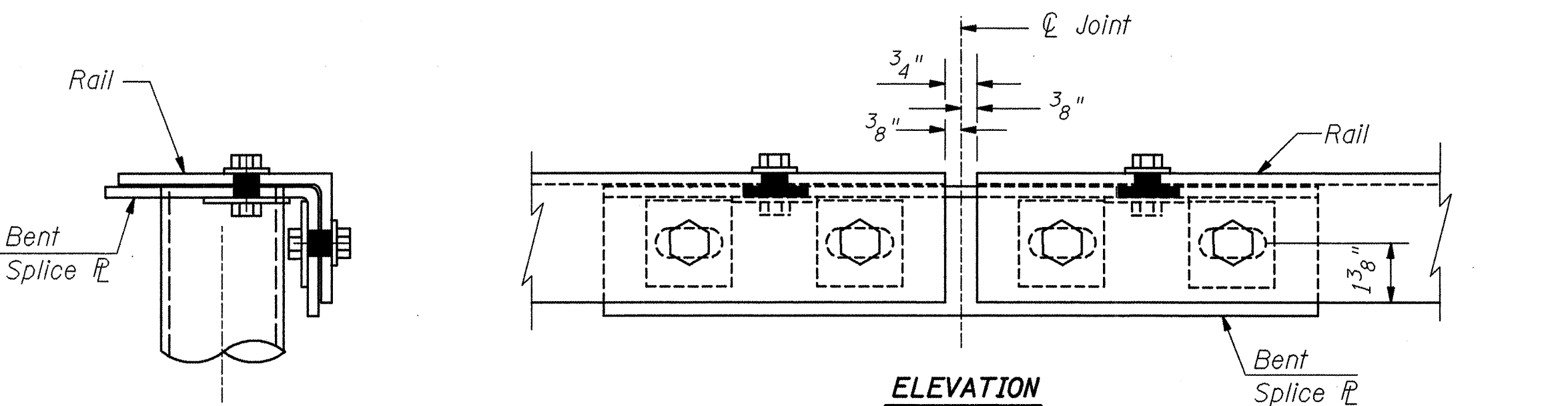
Item	Unit	Quantity
Bridge Fence Railing, Parapet Mounting	Foot	323

**RAILING DETAILS**  
**UNION PACIFIC RAILROAD**  
**OVER MEREDITH DRIVE**  
**SANGAMON COUNTY**  
**SEC. 98-00009-00-BR**  
**STA. 9437+93.49**  
**STRUCT. NO. 084-9946**

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DESIGNED BY:	CHECKED BY:	DRAWN BY:	DATE:
G.B.M.	D.R.B.	J.P.H.	1-3-03



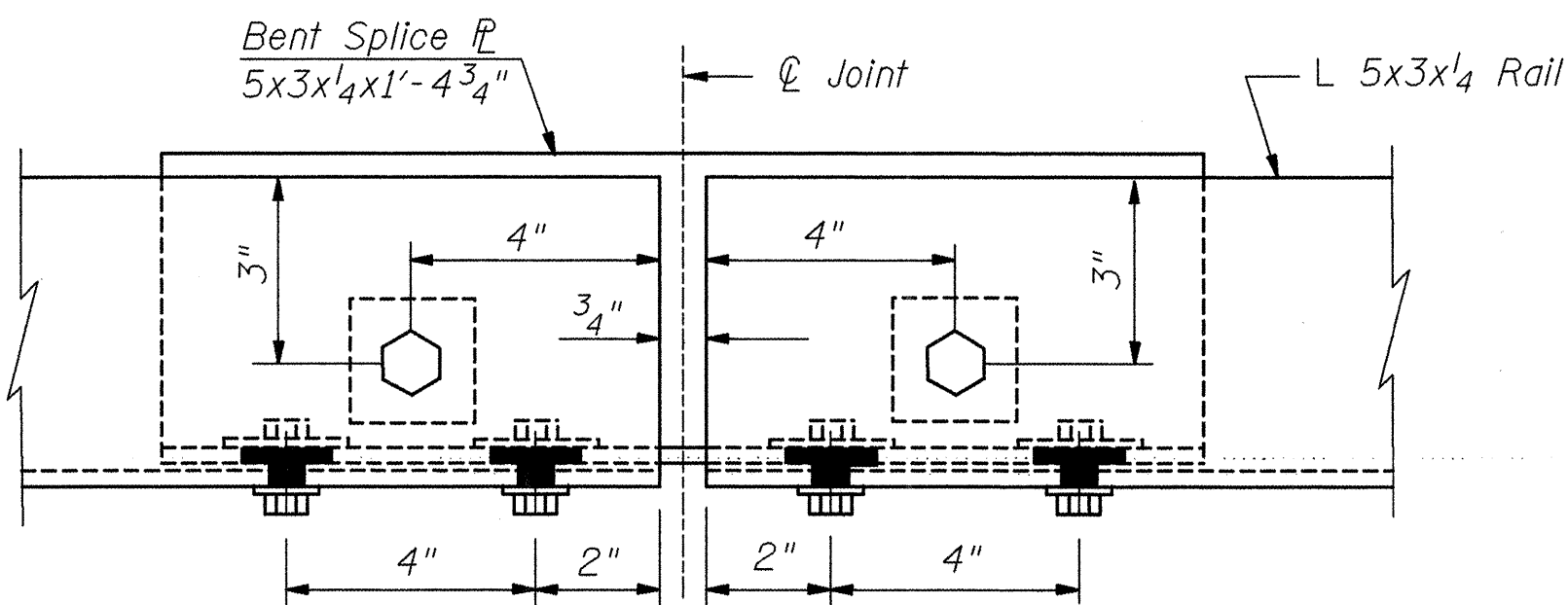
**END VIEW**

#### NOTE

5/8"  $\phi$  Bolts with 2x2x5/16 Square Washer and 2 Hex Nuts Each

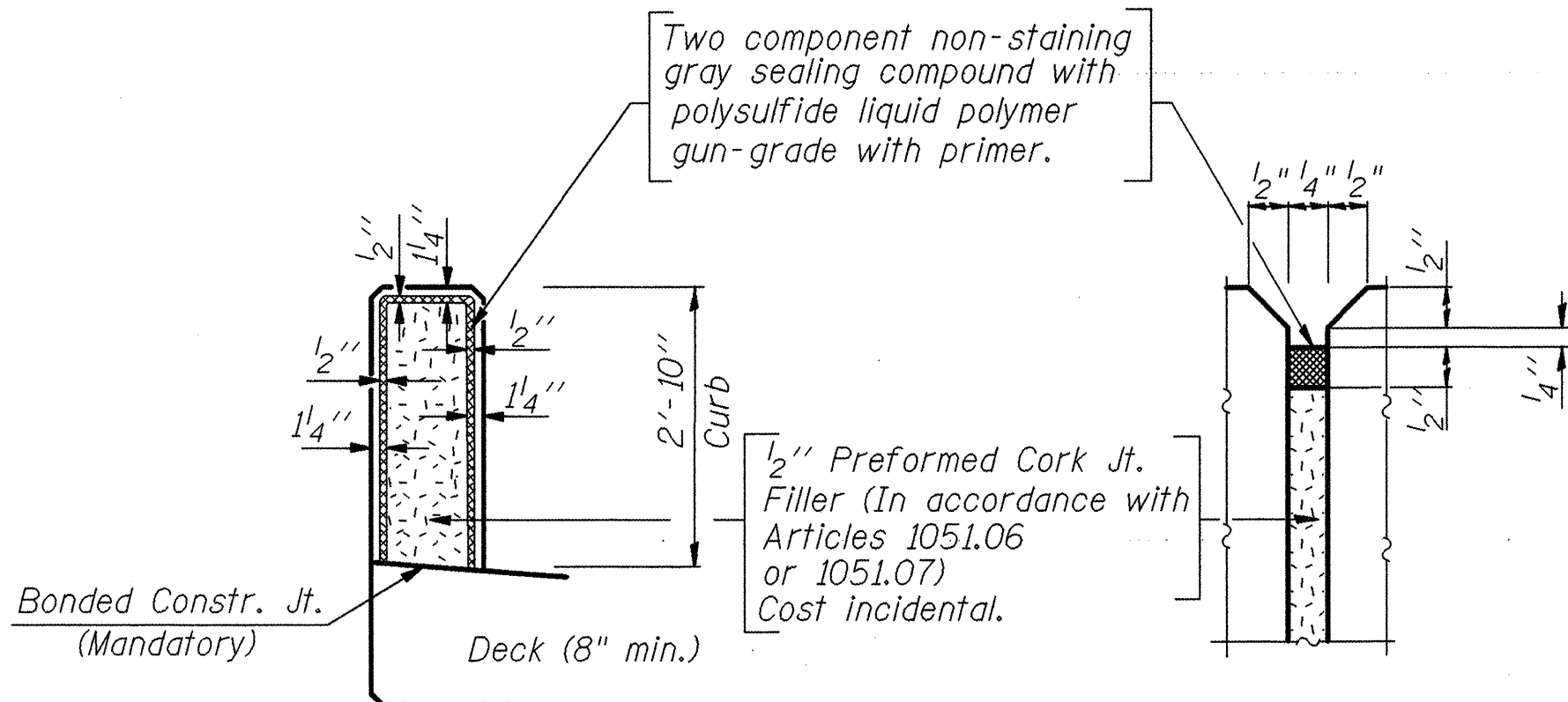
1/16"  $\phi$  Holes in Rail

1/16"x1 9/16" Slotted Holes in Bent Splice PL

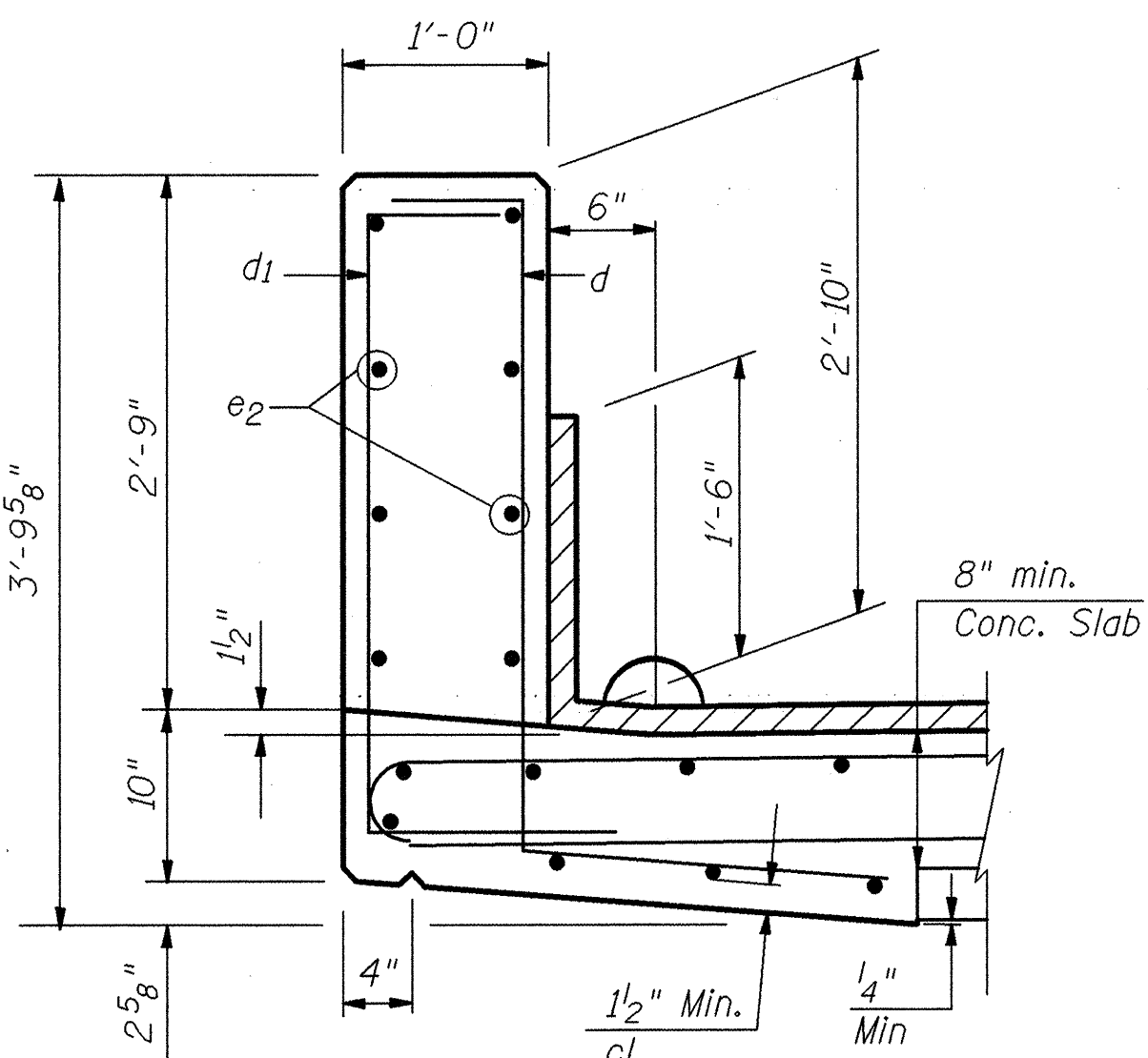


**PLAN**

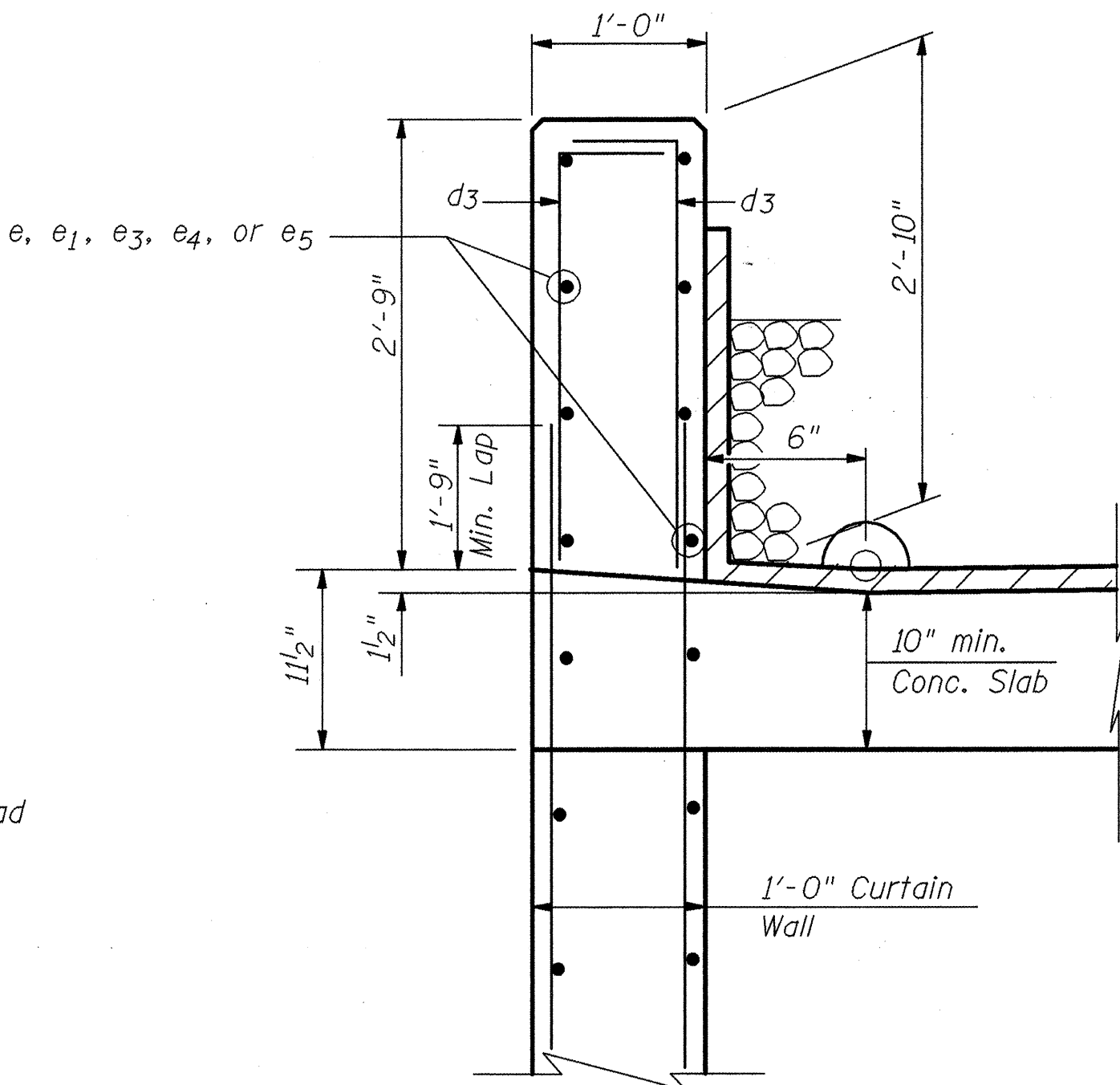
**RAIL SPLICE DETAIL**



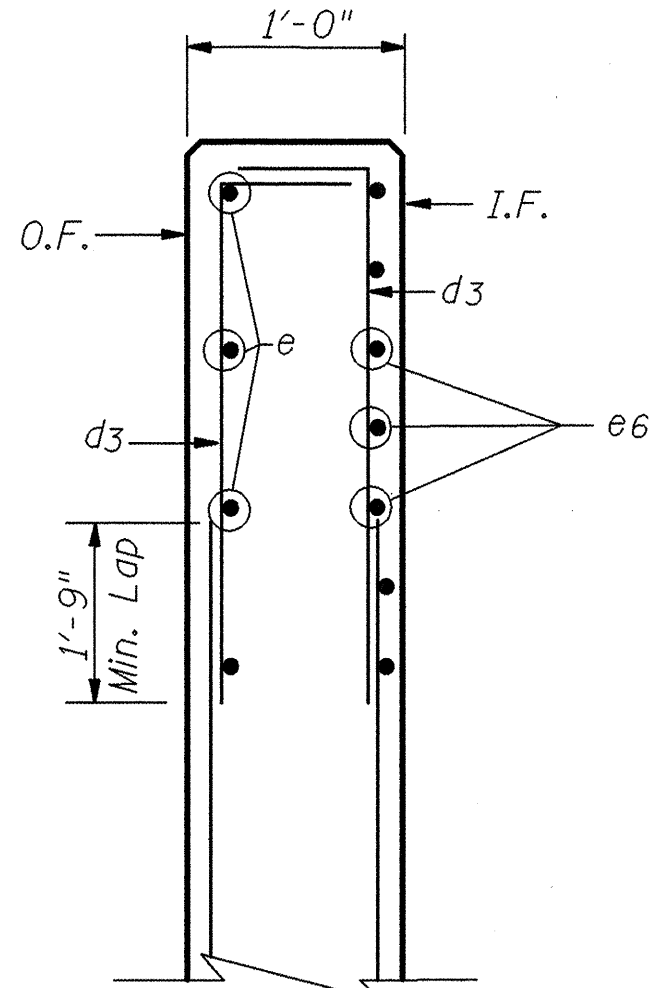
**CURB JOINT DETAILS**



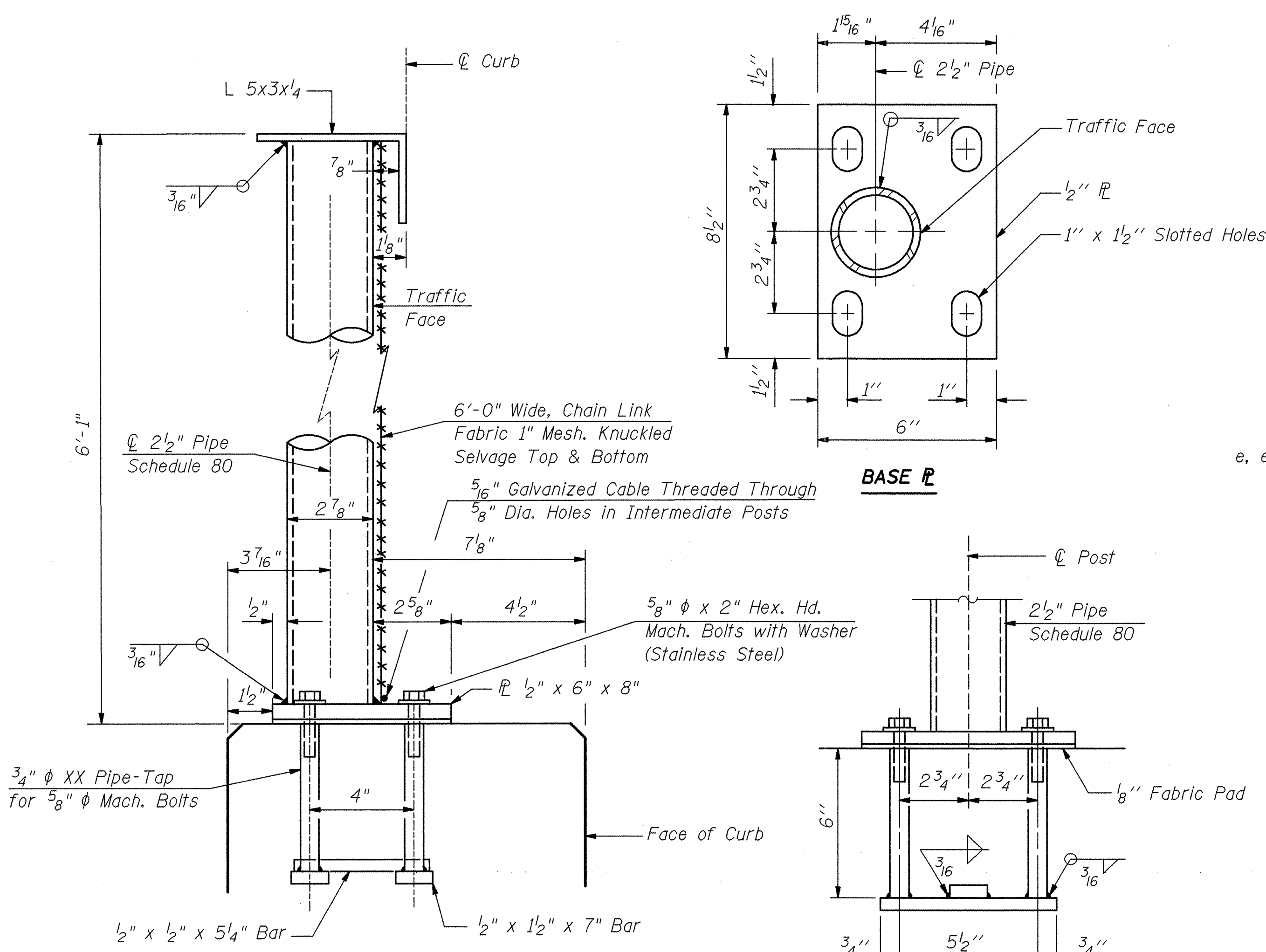
**SEC. A-A  
MAIN SPAN**



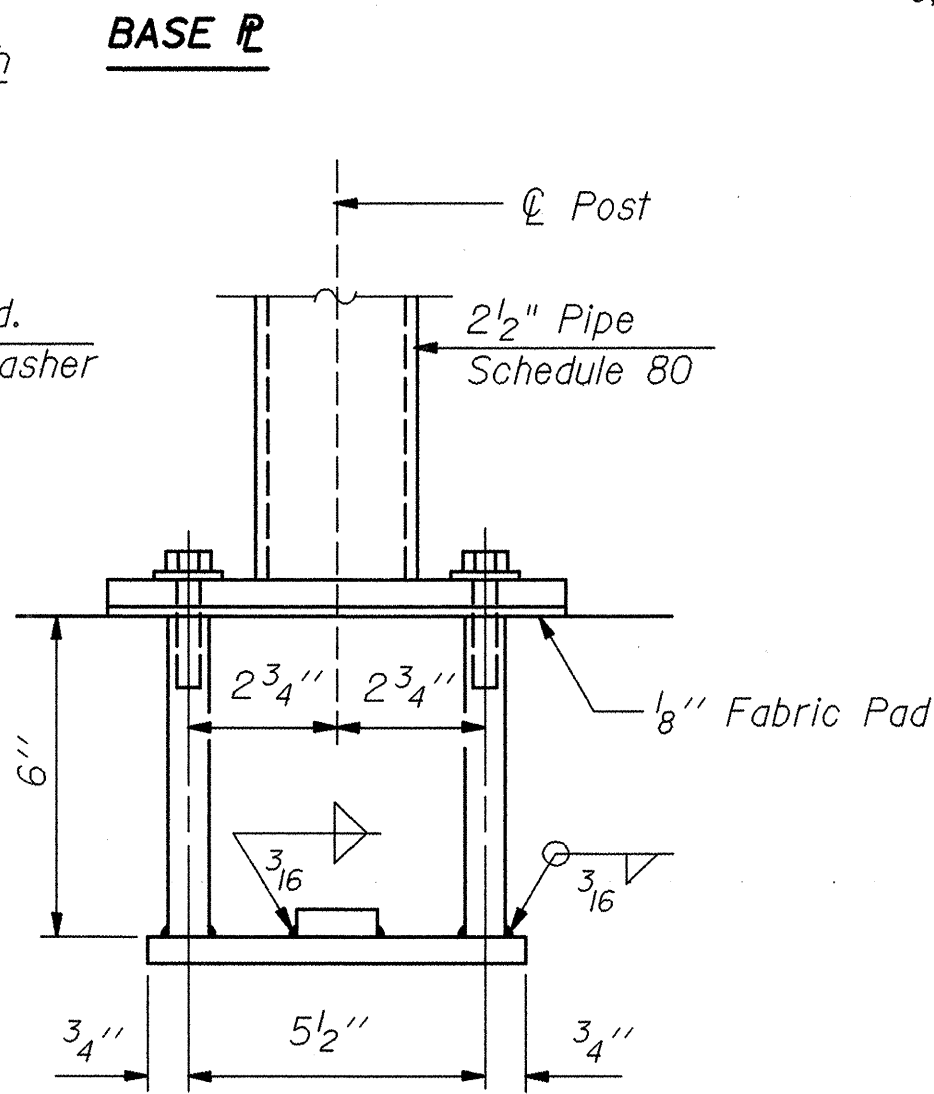
**SEC. B-B  
VAULT**



**SEC. C-C  
WINGWALL**



**FENCE POST DETAILS**



**ANCHOR BOLT DETAILS**

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and epoxy grouting 5/8"  $\phi$  anchor rods. Embedment shall be according to the manufacturer's specifications.

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